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Gastritis 247 } Both to be introduced
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The Stomach is a mystery. It is exposed constantly in health to ill treatment from hot & cold aliments - from excess & deficiency of food & from from its bad qualities. In ~~sickness~~ Disease it suffers ~~from~~ by sympathy with every part of the body. It is torn by spasms - agitated by vomiting - oppressed by nausea - distended by air - irritated by bile - & yet it survives them all. But there are certain injuries which it feels in the most sensible manner. These arise from acrid matters ~~such as poisons~~ acting upon it & inducing a morbid action of a specific or peculiar kind. To these irritants the Stomach submits in common with other parts of the body. The disease whether it induce simple & violent excitement, or obvious inflam^n is known by the following symptoms —

~~It is more certainly induced by an irritation known, or known~~ Sometimes it appears from a critical deposition of matter in the close of a

Gastritis — or Inflamⁿ of the Stomach.

V

" a fever with slender but tense pulse — pain & burning in the epigastric region — increased by taking any thing into the Stomach — a constⁿ vomiting — & hiccough or total absence of all those symptoms. —

Two Species.

1 Phlegmonodea — " acute pain & high fever

2 Erythematica — " less pain & fever, with redness in the fauces". — The first seated is said to be in the mem: coat — the 2ⁿᵈ in the villous coat of the Stomach. —

The first — from 1st internal causes — as acid matter ~~in produce fever~~ generated in the body deposited on the stomach. perhaps bile when vitiated may have this effect — ~~this the case in all~~ highly malignant It is produced by miasmata acting on the stomach persons, ~~especially plague~~ — hence ~~they attack~~ the sickness & ~~of~~ which wishes in ~~regali~~ ~~to~~ Vomiting, ~~& have~~ opium so hurtful bilious fevers & plague. ~~in them.~~ and 2ᵈ external causes.

These are poisons ~~of~~ all kinds — a case of opium producing it after it had cured the Lock Jaw — from Dr Robert. — also cold

an acute or chronic disease in which case it is called Enthematic Inflam^{n}: — It appears in the fauces & often extends thro' the whole Alim^{y}: canal. — It sometimes terminates in the black vomit. I have seen it in gout, & perhaps in pulm^{y} consump^{n} frequently

V & copious, for no viscus sooner ~~dies~~ from ~~disease~~ ~~morbid det~~ inflam^{n} than the stomach, hence probably the reason why V.S. is ~~and too~~ so often ineffectual after the 1st day of a yellow fever in which the stomach is generally inflamed.

when the body was heated. Water, a case of this kind ~~from~~ is related Lieutenant. It extended to the diaphragm & liver. —

Its —— Remedies are

1 ~~Immediate~~ bleeding. — This should be prompt,

2 Emolient clysters.

3 Fomentations to the region of the stomach.

4 a Blister to D°. Invaluable —

5 Avoiding irritation from aliment, and acid drinks. Demulcents and opium only proper. ~~Opium improper~~.

2 Spe: Erythematica I have several times seen it, — but generally in the last stage of chronic diseases — especially Dyspepsy & Hippo=condriasis — it proved fatal. —

Enteritis —

"a fever w: th with slender but tense pulse — w: th a pungent pain, abt the navel — Vomiting — obstinate costiveness".

The Species — the same as the last.

Its causes — the same, together w th Colic.

+ miss Stockton's case - should only used in cases of ~~cases of~~ violent action - the temperature of the water 50° or 46° below the heat of the body -

Its cure the same - with the addition of cold water. + I have been applied to the feet - thighs - or bowels - ~~this fomentation only~~ - have never used it. But shall hereafter give reason why I think it rational & proper. Have never seen this disease but from colic - once from Dysentery. The patient after 3 bleedings - bled each time very died. —

Splenitis — put in from System. - have never seen it. Is subject to ~~inflam.~~ obstruction but - perhaps never to primary inflam.n.

Nephritis

" Pain in the region of the kidneys - frequent discharge of pale, or high col.d Urine - Vomiting colic or pain retraction of one of the testicles - Stupor ~~coma~~ of the ~~limb~~ leg or thigh of the affected side - ~~colic~~ inflam.d fever. "

I have found all these symptoms, but none so often as the Colic. Hence the term nephritic colic. —

Its remote causes are. 1 Contusions from

falls or bruises. 2 acrid substances taken into the body especially Cantharides, Lizard. 3 hardening. 4 Calculi. The last the most frequent cause. Shall treat on the cause & cure of these calculi hereafter under the head of Ischuria.

Cure

1 Bleeding. 2 Lenient purges. 3 Glysters - act as fomentations. 4 Demulent drinks. 5 A recumbent posture - sitting up presses the kidneys. - This posture shd. be on ye side. 6 Opium - after inflamn. diathesis subsides. Is cold proper? I shd. suppose so - from its sedative ~~action~~ operation in other cases of excess of action.

Cystitis State of fever. Is known by "a pain & swelling abt the ~~ny~~ hypogastric region - frequent & painful discharge of Urine, or total Obstruction of it - tenesmus fever." ~~This is D. Cullen's definition.~~ In all the cases I have seen - there was complete Ischuria. - The inflamn. was seated

+ I suspect that the substance of the bladder is not easily ~~[illegible]~~ inflamed, otherwise it would much oftener occur from stones & those stones sometimes there possi=ted lodged in the Bladder.

In the ~~The~~ first case I ever met with of this disease ~~was from the~~ I should probably have injured, and perhaps have ruined my patient had I not been assisted by the advice of the late Dr Thos Bond. I had bled him twice, The Dr took the lancet out of my hands, and bled him 4 times afterwards giving as a reason for it that no inflam: in the human body required such copious bl: as this disease. The practice was cor=rect, but the reason he gave for it was ~~too general~~ not so, ~~limited~~, for all local inflam: no

in the neck of the bladder. ~~spasm but no pain in it~~ Its hardness & enlarg: were perceptible to the catheter. In one case I saw a discharge of mucus - from the neck of the bladder called "Catarrh of the bladder" described first by Hunt? - I shall treat of it hereafter. One peculiarity in this topical inflamn: - tho' it affects the arterial system with tension, & imparts hardness to the pulse, yet, the functions of the brain, & even the appetite, are but little affected. Patients sit up - walk about, & except when in pain, are as capable as business as in perfect health. -

The remote Causes - 1 Direct & 2 indirect. 1st are acrid substances ~~nearly the same as of the~~ taken inwardly ~~first - opposite~~ or injected into the Urethra. I ~~have~~ have known ~~two~~ cases of death from. 1 from Sol: Saturn: in Philad: & Edin: under Dr Cullen. 2 calculi roused into action by hard riding. 3 Direct of Cantharides. 4 Gout. The ~~the~~ next cause is ~~Cure~~. The Remedies for this disease wd be 1 Bleeding. ~~Cure 6 times with Boots.~~ ~~Dr Bond's remark~~. - 2 gentle laxatives. 3 Demulcent drinks. - 4 cold water to the ~~pe~~ perineum. useful in Mrs Sop's case. 5 The catheter. 6 opium

that are attended w: the general inflam: action in the pulse, require the same copious Vs if the seats of them be much removed from the general or great circulation. — The principle applies to Opthalmia, Hæmorrhoidal fever, & strangulated hernia. &c. Taught by the painful ‡

v The pain is of the most exquisite nature. Dr Spence informed me he had once known it to produce a short paroxysm of madness. —

‡ ipse of this case, I have since followed it, and with the happiest effects. Where Vs is equal to the exigencies of the disease, no chronic of the bladder — no palsy — no incon-tinence of Urine ever follow it. It wd be much aided by leeches. I have had two cases of it from Gout this winter, bot Miles ass: Eyre — 1805 both from Gout blood always tarry: cured by Vs: 1 & 2nd tho.

by the mouth & the 252 applicⁿ of Hand & Oil by
7 After every thing had failed, I once removed it
Colitis to Anus by a strong dose of Salts. ~~probably its contig:~~
~~Rheumatism it removed debility~~ -- for such cond:
~~as indeed it had been previously used~~ —

Peritonitis — I have never seen — the Metritis
when we come to the Puerperal fever. —

There are three other inflamⁿˢ partly internal
& partly external — viz: Odontalgia — Otalgia
& Hemorrhoids. —

Odontalgia State of fever.

" A pain in the teeth, occurring monthly from the
causes & in the Season of inflamᵗʸ fevers". —
now & then from Scrofula, & matters irritating
above [~~Hatitis~~ I do not deny the teeth; such coming
Novel on ~~fresh~~ other causes, & in all Seasons;
But these will be treated off hereafter when
we treat of ~~Chronic~~ Rheumatalgia, or
Chronic Rheumatism] —

That the teeth are subject to inflamⁿ: I infer from the following

If Dysury from weakness or Calculi continue after Inflam.y Symptoms are subdued the Remedies should be Balsamic Gums — Oil of tar — Amber — useful ℞ 3 to 6 tedie.

v I have likewise seen a swelling from inflam.n without any pain in the tooth or Jaw. —

Considerations. 1 The teeth are provided with arteries which are principally affected in the ill inflamn. — I do not deny their having nerves — I believe they have, — but it is suffn. for our purpose to prove that they have ~~nerves~~ arteries. — 2 The tooth ache often occurs, & probably ~~always~~ most frequently the first time in sound teeth. ~~&~~ ~~perfect~~ The first decay is generally perceived after a ~~fit~~ it of the tooth ache. I grant I have sometimes seen ~~the~~ a decayed tooth where no pain has preceded — probably — from — slow inflamn. ~~or probably painful~~ why should it not here, ~~as~~ as well as in other parts of the body? — After the decay has once begun, adjoining teeth are affected by the corrosive ~~matter~~ which issues from the carious teeth. It is so acrid, as not only to corrode adjoining teeth — but the silver pivot of an artificial tooth. —

3 The tooth ache is most frequent in climates which ~~are~~ are most subject to inflamn.

v It is produced by the alternate action of hot & cold liquids. The inhabitants of St Kitts alone have the tooth ache in the west Indies for They alone drink cold water. —

~~The Guinipe fruit has been said to pro-duce the tooth ache. I believe it, but it only by corroding the enamel so as to expose the naked tooth more freely to the action of cold & heat.~~

diseases. It is unknown as well as decayed teeth, in ~~many~~ Countries uniformly warm, or in cold Countries where the transitions of heat & cold are not sudden. ~~Also~~ as little of them in Norway & Russia — as in the ~~torrid~~ most tropics or the torrid Zone. — V

It occurs ~~only~~ chiefly in the inflam.y periods of human life. Even decayed teeth, & all the remote & exciting causes of inflam.n seldom produce it in people beyond 36 — or 40. — ⊕

Here then I put the cause, of not only the inflam.n but ~~some~~ of the decay of the teeth, & ~~all~~ most of the pains & distresses which follow it.y decay — Of Course — I reject Regar — Salt — tea — & even animal food from having any The local operation in producing them. ~~They~~ These last ~~cause~~ act only by their stimulus, — there — by disposing the system to inflam.y diathesis. That regar can have no effect in injuring

~~I do not Unripe fruit certainly~~
when the teeth are decayed.
~~do~~ It often excites pain by its stimulus
upon the bare nerve of a tooth.

the teeth, I infer from the excellent teeth of the West Indians & negroes, ~~this~~ also of the French people who use so ~~gr~~ much of it in their diet. — V

The inflam.y tooth ache attacks all ages under 30, but chiefly young people & child.n — It generally affects the double teeth. It comes on w.th heat & quick pulse — & continues excessing for 3 or 4 days & nights, & then terminates in a swelling of the gum, or whole side of the face. Sometimes it extends to the tonsils, and parotid glands. This swelling soon subsides, but ~~sometimes~~ now & then terminates in abscess — between the tooth & the gum — which gradually decays the tooth — hence it seems after changes of the weather at all seasons, but especially in the Spring & fall. — There is a peculiarity in its recurrence w.ch deserves to be attended to. It sometimes affects — a sound tooth remote from the affected one — frequently a tooth of the

+ This sympathy arises from other parts of the body.

Dr Lister, tells us he was subject to the toothache from indigestion, & that half a glass of brandy cured it by giving tone to his stomach. I have known wine & a pill of myrrh have the same effect. Dr Jones says he never cured it by emetics.

8th

I have seldom seen any applications to the face, or the mouth, do good, except they excited inflam.n or blisters. Poultices of flour & ginger, & hot rags have sometimes had this effect outside & raw spirit within. Also mustard plaster to back of the ears.

Tobacco – Rad: Jacobi stimulate & deplete.

opposite side of the same jaw, at the same distance from the extreme tooth of the sound side. — It is called the Sympathetic tooth ach.

Cure

The common remedy for the tooth ach in all cases is Extraction, but it is sometimes unsafe ~~dangerous~~ ~~tho=~~ ~~=bly painful~~ & sometimes impracticable in an inflam^n of the tooth. Instead of this remedy for Blood should be drawn from the gum under the tooth, by means of a lancet. 2 Gentle purges 3 Emetics. ~~should be given~~ 4 a Blister should be applied behind the ear of the affected side. This is an excellent ~~expedit~~ remedy. — nor shd. drawing applications be omitted to the gum. A fig has been roasted & opened & opium both internally ~~in external applic=~~ ~~=ations & internally~~ & externally often give great relief. ~~figs allow~~ 6 7th Cordials ~~seldom~~ seldom affords much relief — & often increases the pain.

— After the pain ceases, ~~with a boiling~~, a gum boil often appears which seldom goes off till it has ended in matter which ren=
=ders the

But there are other reasons for recommending the extraction of decayed teeth. 1 They impair mastication & thus weaken the digestion of the food. 2 They accumulate impurities which (if of a septic nature according to Dr Mitchell) favor the formation of slow fevers. But 3. they are the inlets of morbid excitement into other parts of the System. This will be easily believed when we recollect the commotions which are induced into the System by a splinter or a needle slightly wounding ~~the toe or a~~ a finger or toe. In Dr Caldwell, Dr Physick, & Dr Bellinger, ~~it the~~ a tooth ache was the ~~[illegible]~~ precursor of the yellow fever, in 1797. It was so in miss Budd in 1803. Dr Fabre quotes from Mr Petit, the histories of an obstinate intermittent & a fulminant consumption of two years standing cured by the extraction of decayed teeth. In miss Clymer a painful Rheumatism ceased in one ~~jaw~~

roots of the tooth. When this is the case, ex=
=traction must be used. When a caries ~~ap=~~ or
gangrene as it might be called appears in a
tooth, - it exposes not only that tooth, but
the adjoining, & even an opposite tooth to
inf: pain & decay. There are ~~two~~ 3 remedies for it.
1 To stop it with lead, or gold leaf, or 2 to destroy
the ~~instant~~ nerve, or Artery if it is denudated
by the actual cautery or Tinct: Cantharidum
or 3 to extract it. - the last is to be preferred,
for where it does not excite pain or inflam:
the acrid matter which issues from the caries
often ~~affec~~ corrodes the adjoining tooth, or the
tooth below it if it be - the upper jaw. — I
have often seen the extraction of the first
decayed tooth, prevent for life a return of any
dis~~order~~ case of the teeth. V

Sometimes this inflam: terminates
not only in a decay of the tooth, but in an
~~impaired~~ caries ~~of~~ or Abscess of the Socket
of the tooth, which both
~~to~~ produces swelling in the upper & lower
jaws. In the upper jaw it produces an Ab=
=scess in the Antrum Maxillare. This Abscess

sight from the extraction of a tooth. See Dr Darwin's 2nd vol: on this Subject. In all chronic diseases whether general, or local a reference should be had to them. I have lately [illegible] in Epilepsy & thus cured it

I have seen Dyspepsia three times cured by the same remedy in a lady in this city. The Br of Dr Smith of Baltimore has been cured of Epilepsy by the extraction of 4 decayed teeth & ones. B.S. Afterwards, by my advice. Dr Seibold of Germany cured Obstructed menses by extracting decayed teeth. Rib: Vol. I. Dr Darwin mentions a number of cases of vertigo & head ach being induced by decayed teeth, & cured by their extraction. ~~Dr Spence informed me he had seen~~ In all chronic diseases, a reference should be had to them in your prescriptions.

I shall now deliver a few Directions for obtaining good teth, and preserving them afterwards. also for obtaining Substitutes for them when lost.

Let the milk teth be extracted ~~when loose~~ as fast as they become loose, thereby to enable the second teeth to become straight & regular. If the least disposition appears in any of them to

J

eats thro' the cheek in both jaws. I have often seen it - especially in the lower jaw. It is always to be expected where there is disposition to swelling after every attack of the tooth ach. ~~There is~~ It is dangerous. I once saw it fatal. There is but one remedy for it. Viz: extraction of the affected tooth. If from the upper jaw - common to thrust a probe into the antrum - but a dentist of great judgement has declared it unnecessary. - I have never known this remedy fail of success. - I lately directed 8 or 9 leeches to be applied with great success in a Mr Thomas from South Carolina. More on the ~~I shall hereafter speak of~~ the methods of Check from neglecting it. cured by Dr Physick. 4 Preventing this disease ~~is~~ 1 By flapping - by warm water - in general reasons for it & practice of Physicians. a warm night cap. 2 Avoiding the sudden application of hot, & cold drinks. 3 washing the mouth every morning in cold water. 4 removing tartar from the roots of the teeth, & 5 Brushing them or washing them after eating, &c

+ Johns It is not peculiar to the teeth to become weak by disuse. I have ~~heard~~ upon a cast of actual blindness from a tower being long kept on one eye for a fraudulent purpose. Bath.

+ 1 Opium plaster to the face - combined th w pepper - ginger - wax - Rosin & Oil.

2 Opium in the tooth - 3 Extraction. 4 Dr Lothrigill's Specis. —

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grow irregularly let them be kept straight, by silver wire, or drawing the adjoining milk teeth before they are lose. Crooked teeth, ~~or~~ like deformity in other parts of the body, always predispose to disease. They generally decay soon, while regular & handsome teeth ~~generally~~ ~~last~~ are generally lasting. 2 Remove a decayed tooth as soon as ~~you are unable~~ it becomes painful, or as soon as you are unable to chew with it. The teeth soon project from their sockets & become lose when not used - hence we observe the lips of the teeth of the lower jaw soon

especially before going to bed. —

The Chronic Rheumatic tooth requires a diff.t treatement. to be mentd. hereafter. —

Otalgia - or Earach

State of fever

"An acute pain in the ear accompd. with fever".

This disease most common in Childhood.

Its Cure - is 1. V.S. 2 purging - 3 Blister behind the ear affected. 4 The ~~steam~~ Vapor of sugar burnt on Coals, & recd. thro' a funnel. — 5 The Indians cure it by sweet juice of the cocoa tree drops in the ear.

It sometimes tends to suppuration.

In this case - emolient cataplasm proper - Boiled Onions commonly used. - After it breaks - detergent injections proper - If deafness follows - Remedies to be mentd. hereafter. — It might be prevented by V.S. & the above requisites.

Hæmorrhoidal State of fever

This disease is included among the hæmorrhages by Dr Cullen - But I

I have seen it produce Dysury & Gonorrhea in one case. Pt. Mellis. L.D.

see no more propriety for it — than for considering ~~Bronchitis~~ Consumption, or Pneumonia hepatitis as hæmorrhages, or ~~bleeding~~ for both are often follow=
=ed or accompanied by an effusion of blood. — It is ~~originally~~ true it is a local ~~in=~~ Discharge, but it is often the effect of an affection ~~=flam^n but not like others we have treated~~ of ~~of it affects~~ the whole system, and when it is not it seldom fails of bringing the whole system into sympathy or general fever. ~~defined. By D. Miller.~~

"A heaviness, or pain in the head — Giddi=
=ness — pain in the loins — Weakness of the knees — & pain, ~~at~~ pues about the extremity of the Rectum with, or without external swelling — & sometimes followed by an effu=
=sion of serum or blood". —+

They are external, & internal. the last blind.

This disease affects adults chiefly of all ages — & women more than men.

Its remote causes are.

1 Costiveness.

2 Acrid purges, especially Aloes.

V. I ~~have~~ had two violent cases of this fever in the ~~this~~ winter 1800. ~~In~~ One of them Mr Stille — I was called on 1st & 3rd day. I bled him 3 times, but an abscess followed which ~~was~~ confined him 3 months, & required an operation. To the 2nd case I was called on the day of attack. I bled him 12 times to ℔ 100 of blood. This man recovered in 2 weeks, so as to able to sit on the box of a carriage, — He was the Presid.ts coachman. ~~I believe this fever might be prevented in a great measure by the same remedy~~ — Mr Foxes —

+ The Butternut pill useful. That is best which is made of the sap of the tree obtained in the Spring. — 4th Veget. liquid & aperient diet, that shall afford but little faces. —

5. Certain applications to the part affected — the first and best of these is Cold water. It abates pain & tension, and after depleting remedies have been used, performs a cure. ~~warm water~~ & poultices of bread & milk give relief, ~~which~~ & shd be used when cold water fails

3 Hard riding, or long standing or walking
4 a sedantary life w. induces costiveness
- hence women, & especially during pregnancy are most subject to it. — 5 Gout.

Mr Izard: [The predisposing cause - here is obviously debility.

The proximate - excess of action in the hemorrhoidal vessels - ~~from~~ hence ~~effusion~~ tension & effusion.] —

Remedies

As the whole system is put into sympathy, & the head & breast endangered from the action which is communicated to them in all cases of great pain - or giddiness - w. tense pulse

1 Bleeding should be used, both general & local. Local - by leeches - or a cupping glass - & drops useful.
2 Lenient purges, especially sulphur. Supp. to have a specific action on the piles. Rhubarb acts only from its mildness as a cathartic. — The disease continues when fomented with diarrhoea.
3 Horizontal posture of the body.
~~Sedatives, such as, cold water~~
~~4 Lotions~~ ~~to great prominence~~

of Sweefs. 6th After the disease is in part subdued, or of a moderate nature the following stimulating applications have been found useful. 1 warm water. 2 molasses. 3 The smoke of leather received thro a close stool upon the part affected. An old shoe will answer this purpose.

+ also great vomiting, coldness &c in Physick in the yellow fever.

4 an ointment composed of equal parts of hogs lard, and tar applied to the part. 5 The stramonium ointment - how made. 6 an ointment composed of Ung^t Stram ℥ss Sac Sat: pulv gall: ℈ss ℈ii ad ℈i m f^r bis vel ter die. 7 white lead ℥i sweet oil ℥s f Ung^t & a tobacco leaf. It is recommended by the Indians & shd be tried where other remedies have failed of Sweefs. The

remedy – communicated to me by a patient who used it many years ago, & never had a return of the disease since. I have frequently used it with success. If applied early prevents the complete formation of the disease. –

~~Besides this remedy, there are some others which are valuable – perhaps by producing a debility – but as stimulants & thus overcome morbid~~

– These are 2 the smoke of leather. Old Author. Those used for this purpose 3 Stramonium – the or Jamestown weed – highly narcotic used by the Indians to the temples to procure sleep according to Revd Mr Clayton – [To a bulb produced by syncope – Dr Jones – & a seed in the eye – enlargement of the pupil, & blindness for one week in Mr Bradford] – the usual mode of applying it in an ointment made with hogs lard. – ~~In the decline of the disease~~ In the decline of the disease, I have used, the following Application to the hair – ℞ ~~Opii~~ Sac: Sat: pulv: ~~Gr. Ble:~~ – Opii ~~℥ ij~~ Ung. Stramon: ℥ss M

Disease is an important One, and shd. never be treated with neglect. When left to itself its usual terminations are 1 dis:: tressing, or troublesome bleeding piles. 2

~~+ The Plaice leaf applied with pump by the Indians~~

2 ~~Small Ulcerism~~ Suppuration in the hem: Vessels & a discharge of pus from them. 3 ~~mortifications~~ Inflam:n & Ulceration of the Rectum - called Fistula in Ano. 4 Small indurated tumors, which appear ~~in one case in mortification.~~ Fistula ~~might be prevented in 9 cases out of 10 by Vs: for the blind piles.~~

~~go to pa: 3 of N°3.~~

to be extremities of the hem: Veins. They are internal & external. When in:: ternal, they produce difficult Stools head Ach, & even pulm: Consumption. They are only to removed by ligatures. 5 ~~I have known this disease Cure and~~ 5 prolapsus Ani. 6 mortification

Low diet - consisting of opening vegetables as roasted apples - prunes - figs &c - and Indian meal ~~water~~ gruel - or bread. —

After the inflam. symptoms are removed a swelling continues from debility with much pain. Removed by stimulants especially Tar in various ways or Sugar of lead or white lead mixed with oil. — ~~Both~~ ~~being~~ The disease is prevented by avoiding all the causes which induce it - especially costiveness. Arthritic piles in Mr Jaard - brought on by breathing & lights producing bad air, & how cured. They sometimes terminate in suppuration - which ends in fistula - in hemorrhages. [With this we finish internal inflam. - we come next to external].

All these distressing consequences of this state of fever are the consequences of ignorance in a patient, or ignorance in a physician. — They may all be prevented by us, and the remedies I have recommended. — The more remote an inflamed part is from the great circulation, the more copious should be

~~[illegible]~~ depletion by the lancet. Remember the case of the Presidents Coachman.

Prophylaxis

~~1 vegetable diet~~ - Eminent judges, 2 vegetable & liquid diet. Wheat & Indian meal a pp. 3 avoiding all its exciting causes.

~~✓ Common in the fall when bilious fevers prevail - accompanied the Dysentery. see Hawkins Voyage 1776.~~

Opthalmia, State of fever.

" A pain & redness in the eyes - intolerance of light, generally with a plentiful effusion of tears". — It is seated in the tunica adnata, & in the membranes which cover the eye. It is divided by Dr Cullen into

Idiopathic & symptomatic

I are, 1 Opthalmia membranarum

" an inflam^n of the tunica adnata, & subjacent membranes, or tunics of the eye".

2 Opthalmia tarsi. — tumor - gelatinous exuda= tion, & sometimes ersion of the tarsi of the eye lids". —

The II. Idiopathic are from an affection of the eyes themselves, or a disease of the whole body. —

Its remote causes deserve to be seen. All the usual causes of fever.

They are 1, External violence - wounds - slight touches - particles of dust - sand, or iron adhering to or in the eyes, or inverted hairs -

v weakness - Soreness, of blindness in One eye universal ~~from~~ at Syene from the hot wind which blows acrs the Desert of Nubia. Bruce much afflic:-ted with sore eyes from this cause.

N It is supposed to arise from a very hot bread drs in Grand Cairo - which makes ~~it~~ the head liable to be affected by the night air. I rather suppose - from gastrigastrical diathesis of the air in Cairo - It is so common there that in our 100 persons whom Volney met ~~with~~ in the Street 20 were blind - 10 wanted an eye - & 20 others had their eyes red - purulent - or blemished. —

V In Surinam from fine particles of Sea shells th which they pave their Streets being blown into the eyes by the Wind. In Kentucke from pollen of plants in the Spring.

or acrid vapor as smoke - or effluvia of privies. —
2 The application of light excessive in quantity or duration. Hence sitting up at night produces it - also in fires - and riding in the snow - even inflames the face.
3 Do of heat & moisture - hence Cooks often afflicted with sore eyes. V
4 Too much exercise of the eyes in viewing small objects.
5 Frequent intoxication, & too stimulating diet as Onions at Grand Cairo. Volney.
6 An acrid matter from any cause deposited on the sebaceous glands of the eye lids. hence common in lues. —
7 Sympathy with other parts of the body. —
8 Unusual determination of blood to the head - - hence it occurs in some inflam^y fevers, and frequently at the same time with Angina - & pneumony & according to Dr Hunham especially in moist cold weather. N

The general Remedies must be first treated of which suit all - then accord^g to particular remote causes. —

1 Bleeding. This must be general only when the whole system is affected with pyrexia, as when it arises from the last remote cause,

Ought be
v ~~on~~ cold water – ~~working~~ ~~do~~
After morbid action is reduced the
Remedies ought be stimulating appli:
-cations. Begin with such as are gentle.
They are wine & water, – spirit & water, –
Infusions of oak galls – or oak Bark –
Jesu: Bark – opium & galls – viz Op: ℥i
Galls ℥ij aq fount ℥iv to be dropped in the
eye. Salt & water – Lead water – vitr
alb ℥ij Sal Sat: ℥iv aq: ℔ij – from
Wm Allen's Recipe – Electricity –
Now & then from hair – a dirt –
how used – Story of Wildamies Sometimes

But in other cases not necessary - only leeches - cupping - or scarification of admata - or the tunica palpebrarum. —

2 purges - especially when it affects the whole system.

3 Blisters - to the neck - behind the ears - or to the temples.

4 avoiding all its exciting causes - as light - fires &c

5 Topical applications - These ~~should be diff^t according to the~~ stage of the Disease & violent ~~disorder & occup of~~ ~~Action takes place as it generally does in the beginning, sedatives - or debilit^g remedies~~, if - ~~defect, or relaxation~~, they sh^d be direct stimuli.

It is of the utmost consequence in this, as well as all other diseases to suit our remedies to the stage of the Disorder. From the neglect of this physicians disagree in their ac^ts of the same medicine, & the best remedies often fail of producing the effects we wish from them. The sedative or indirect applications are 1 Cold - water but 2 Lead water. Perhaps this often acts by its astrin^g Best in a poultice - how made? — 2. The direct applications are ~~no~~.

from Other diseases as Lues or Scrophula ~~based~~.
& shd be used ~~in the former~~ & the remedies for Scrophula in the latter.
Sometimes from acrid humor in ~~the eye base~~ distilling from the eye lids on the eyes — here Demulcents as Quince seed bruised in water, or ~~for~~ with of Sassafras — If these fail Laps: Cal. & fresh Butter each equal parts. —

If from morbid determination to the head — fetors or issues. —

These external remedies should all be aided by Bark Steel & Opium. Dr Campbell used it by a few pills of Opium after every other medicine had been used without effect.

& Other ~~[illegible]~~ of metallic astringents. ℞ Vit: alb: ℥j Sac: Saturn ℈ii aq: pur: ℔ij - mf: - also veg: Do as Infus: Lp: - or white oak bark or leaves - the last much used & commended in Sweden - ~~[illegible]~~ wine - brandy - Salt & water - & Electricity - the last direct or indirect according to its ~~[illegible]~~ Strength or dose. — 3 Demulents solution of opium & galls - ~~[illegible]~~ - ~~[illegible]~~ Vapor - as Quince seeds bruised & infused in water - Calamine ointment -

5 Avoiding ~~irritation~~ or rubbing w the back to it. - as light by a dark room - & green silk - hickory fire - Spirituous & vinous liquors - if produced by them.

6 Removing foreign matters if occasioned by them. iron by loadstone - Story of Wilbanus, or by Needle - sand or dirt by eye stone - or basson of water. — hair by plucking it out.

7 If from general relaxation - Bark - & Opium - both disputable - the last most, so commended by Dr Campbell of Lancaster after all other remedies had failed.

8 - If from an affection of another part of

the body, to cure the diseased part – & if from another disease as Lues, or Intermitting fever or Scrophula, to cure them. —

9 If from habitual determination of acrid humors, by – seton – or issue – Shd. never be tried, till all other remedies are exhausted.

go to 32 of No 1 —

Phlogosis – or external inflamn:

" Redness – heat & tension of an external part of the body, with fever."

Two species.

1 Phlegmone – "a vivid red circumscribed tumor – elevated above the skin, attended frequently with pulsation, & often terminating in Abscess."

2 Erythema – " a red inflamn: yielding to pressure – creeping & irregular – scarce any tumor – a burning pain & terminating in scales – Blisters or pustules". —

The first extends to the cellular substance & hence such effusions take place as produce pus, – the other ~~affects~~ extends only to the rete mucosum – hence only skin is separated.

~~The~~ first varies in its Seat & form, & all its varieties require different treatment.

we shall begin w th common phlegmon ~~as~~ supposing it to be placed in any part of the body. – If it brings the whole system into sympathy 1 Bleeding 2 purges, & 3d – low diet necessary. The ~~cu~~ cure depends chiefly on external applications. From the Sweep of cold water to inflamed Sore Arm in Inoculation, I ~~believe~~ thigh I am safe in ~~to~~ recommend: 1st Cold water. 2 Lead water – perhaps it acts chiefly by its coldness. – whoever wishes for more on this subject may consult Rigby on heat. ~~If there~~ 3d ~~without~~ To abate pain from tension, Oil may be applied – Emolient poultices

v all phlegmons terminate in resolution -
- Abscess - Gangrene or Sphacelus. If we
fail of obtaining resolution, viz

give ease only in this way. ~~If this fails~~ and a tendency appears to suppuration - applications shd be used wch stimulate by heat - or some active quality residing in them. These are 1st emolient Cataplasms, such as bread ~~& milk~~ - flaxseed boiled - white lily root - mallows be - boiled in milk; ~~the oil or lard~~ - or oil or lard shd be added to them. 2nd of the tendency of the heat of the skin to harden it. If this fails - ~~more~~ 2 ~~the~~ active stimulants as Lye poultice - Sometimes by attenuating it dispers inflammations - Other stimulants do the same - as opium ~~the~~ mixed wth camph: or vinegar, or Sal ammoniac, or lastly Ung. Unguent. - When Abscess universally soft it should be opened - either 1st by ~~poultice of~~ lancet, or ~~bon~~ 2 caustic, or 3. flour - honey, & an egg.

Gangrene

" A livid color of the part after inflam: soft - not very sensible, with ichorous vesicles.

Remedies

Deep Scarifications round the affected part.

v poultices - especially the fermenting ones.

stimulating applications of Baths - and turpentine ~~plaister~~ Ointment. Bark not always proper - if phlogistic diathesis continues in the whole system. Gangrene of the toes in old people - cured by Opium by Mr Pott - would probably succeed equally well in ~~old feet~~ mortif.n which occurs in the toes & feet in hospital, or jail fever. - If the whole system partakes of debility - Bark & Wine in liberal quantities. —

Sphacelus

" a part becoming black after gangrene - insensible - no heat - or sensibility - easily torn - with a disposition to spread". —

Remedies. — as before with - Bark - Wine, & if a limb - amputation

- ~~Inter~~ our time will not permit us to treat on them all - see practical writers - Phymosis - inflam.n of the breast hereafter. - Many others will come in under cutaneous diseases.

~~Anthrax~~ Paronychia

Inflam.n of the periostium, of the extremity of the finger. Cure ~~dep incision~~ 1st holding the finger in boiling water or vinegar. Acts as a sedative - or indirect stimulus 2 days incision - 3 excision. -

Anthrax.

"Large painful indolent tumor with many openings but little discharge - ~~seated~~ occurring in all parts of the body, but most frequently in the back". - Have seen them ~~in~~ on the limbs - & once on the forehead. - Two cases in Philad.a in 1790 in persons above 50 - both of whom recovered. Case

Bark - ~~gross go~~ mild poultices at first & Afterwards detergent ointment of w.h turpentine should be the basis. —

x Uncommon coldness complained of by a patient blown up, & burnt all over, by a Gunpowder Mill being blown up near Germantown 1792 - he died.

Erythematic inflammations –

Burns ×

If general inflam.n: Bleeding – Laxatives & low diet, But its cure will depend chiefly on topical applications These are 2: Such things as restrain or compose excess of action – They are 1 preparations of lead in water. Sol: Sac: Saturn: – a compound medicine – of my constant remedy. Cold – & the lead – 2 Rum. 3 Holding the part to the fire. both prevent blistering – and win inflam.n: – ~~They~~ How do they act? as ~~indirect~~ sedatives by excess of stimulus – as they are painful will seldom be submitted to by the patient. – ~~By~~ Sedative ointments composed of Stramonium – lead, or Copper in the form of Verdigrease. – Heating Poultices – be shd be avoided – Dr Mayor's remedy of Lime & oil – failed in St Thomas hospital. Succeeded in Sir Donaldson's family. – Inflam.n: from Cold

Excess of cold by its sedative operation produces Gangrene. – Inferior degrees produce debility – and inflam.n: generally after heat begins to act on the part affected. no pain in a little, till we come to the fire. The Canadians

avoid it on this acc^{t}. – The increased action of the vessels from the stimulus of the heat, produces disten=sion – & hence the pain. Shall hereafter treat of the methods of guarding ag^{t} cold – now only of the Cure of the effects of it. – when physician called the first thing to be done is to avoid fire; – If tho' the excitement is absent – excitability great, so that moderate heat becomes a stimulus so great as to endanger the destruction of the vessels by produ=cing indirect debility. – If the limb, or part be frozen – Snow – pounded ice – or cold water according to the degree of cold to which the body has been exposed, may be used – for those bodies tho' cold to a healthy limb, are warm to a frozen limb whose heat is below $\frac{1}{4}$ of the Snow – ice, or cold water – & hence they become stimuli to it, but so gentle, as not to endanger the destruction of the vessels. After these applications frictions shd be used – but very gentle – or we endanger the part. – If gangrene or sphacelus comes on the remedies as above.

v them in his class of pyrexiæ. chills - heat - thirst - & a quick & frequent pulse generally attend them.

Hemorrhages. I am not singular in placing them amongst the states of fever. Dr Cullen includes them. In order to understand the nature of these diseases I shall deliver a few general propositions.

1 From various causes the system is liable to an excessive quantity of blood - called plethora

2 This plethora depends upon the balance ~~between~~ being destroyed between fluids & solids, from excess of ingesta above excreta, ~~or~~ and a deficiency of strength in the solids, which makes them yield to extension. -

3 From peculiar circumstances of local weakness, or bad conformation, or growth or a cessation of it - this plethora is determined more ~~than~~ to <u>one</u> part of the body than to another. -

4 From the greater facility with which ~~they~~ the Arteries yield to pressure in one part of life ~~than~~ & the veins in another, hemorrhages are said to be Arterial, or Venous - The first occurs in early life before 35, or ~~36~~ - the

The ~~Arteries~~ Veins are strongest in early — the Arteries — in the decline of life.

I reject the terms ~~altogether~~ for I (with a single exception to be mentioned) ~~frequently~~ ~~perhaps it would be better~~ to deny the existence of a passive hæmorrhage: I divide them into tonic and atonic or of strong, & weak action — hæmorrhage — analogous to inflam & typhus fevers — both spore or lap-varied action ~~takes place~~ — They may be divided further into acute, and chronic. The acute occurs in fevers of great excessive action — the chronic malignant occurs in slow fevers, as in pneumonia — &c. —

The pulse distinguishes the two states.

There is further a discharge of blood from trifling wounds without fever. I have never

Venous after 35 or 36. — The structure of the veins & arteries in these periods is very diff. according to Dr Whitringham. — The arterial Hemorrhages appear in the nose — and lungs — the Venous — the hæmorrhoidal vessels — Vena portarum — & brain. Both appear in the hæmorrhagia Uterina. Young persons are most subject to bleeding at the nose & lungs — & persons beyond 35 or 36 to piles — Malena — & palsy or apoplexy — [with of Dr as will appear here: — after bleeding from hæmorrhagy in the brain.] go to p. 369

Dr Stahl has divided hæmorrhages into active & passive — [There is a foundn for the distinction. The first are accompd with excess of action — the last are without it, or with a defect of action — they are mere effusions of blood from laxity, or erosion of a vessel, from a plethora. The first are generally arterial, the 2nd venous. go to p. 283 The first are the only subjects before us. They belong to the class of Pyrexiæ. The last should have

met with an Ex² of it in any of the Ancient or European records of medicine, but I have met with 30 heard of a 4th family being subject to it in this country. — It has proved fatal in two of those families in several instances. — It is to common hæmorrhages, what petechiæ ~~certain fevers~~ throw are to malignant fevers, which I have included in the ~~Symptoms~~ ~~of the cutaneous~~ petechial state of fever. They arise without the least change in the state of the Arterial System. They may be called passive hæmorrhages. Dr Otto has furnished the world

been ~~classed~~ arranged under the class of fluxes to be considered hereafter. — Here a digression. I have mentioned the different states of the System from arterial & venous plethora — also ~~the~~ ~~the~~ from growth — or the cessation of it. From each of these diff.t diseases arise in diff.t stages of human life. — It is important to know them as they are not included in any of our nosologies of Phy=sic. —

1 In childhood — from ~~determination of blood to~~ the overproportion. size & growth of the brain — above other parts of the body, we have not only bleeding at the nose, but ~~particular~~ several diseases from cups of blood in the brain, as large mucous Secretion — from the nose — running from the ears — or swellings behind them — or flabby head — or ~~hy~~ dropsy of the brain. This determination pro=duces diseases near the brain — hence Child.n are most subject to diseases of the throat, as scrophulous or glandular swellings — & ~~cynanche~~ angina ~~maligna~~ — trachealis — perhaps the contagion of Angina maligna, & Scarlatina, may ~~be the~~ determined by the

with the first Acc^t of them in the New York
med: Repository. Go to p: 283 (x)

same cause more to the throats of children than to any other part of the body.

2 In Puberty there is a new determination of blood to the genital organs - hence not only a great change in the Voice & face, but several unusual & disagreeable complaints - particularly, pains in the knees, hips - and other joints, also in the breast - the place - called growing pains, & by some supposed to be rheumatic - hence also swellings in the ~~gla~~ sympathetic glands, especially of the groins - and lastly change in the appetite - ~~old~~ new foods relished, & old ones rejected, at this time of life - owing to dispeptic state of the stomach. — In particular meat is more relished than formerly, wisely by nature.

3 In Adolescency wh. begins at 20, or 21, the arteries cease to yield to the impetus of the heart - hence plethora - this is thrown on the lungs which are the weakest part of the external surface of the body, in which the Arteries terminate - hence

pains in the breast - frequent catarrhs, or pneumony - hæmoptysis - Consump.n. - - These diseases more certainly occur if the patient has a hereditary, or accidental ~~mal~~ bad conformation of the breast, or has been exposed to an employment which has done violence to the ~~thorax~~, such as sitting long at a writing desk - stooping at work, especially at the business of a ~~shoemaker~~ - or a taylor. -

4 ~~at~~ In manhood, or between 35, ~~and~~ & 40 ~~to~~ or 40, or 45, (always including ab.t 5 years) ~~the~~ during the struggle which occurs between the arterial & venous plethora, there are many diseases, according ~~to~~ to the part of the body on which the plethora is thrown. I have seen the following diseases more frequently during these years, than in any other period of human life - viz: Head Ach, - Diarrhœa - Dyspepsia - hæmorrhoids - Colic - & Uterine hæmorrhages.

They are at this period more Obstinate than at other times, & yield only to long & constant exercise. great caution shd be used not to promise a cure of them too soon - & great credit may be ~~got~~ gained by predicting a cure by time when the struggle is over between the arteries & veins, & victory decided in favor of the latter. This victory is generally succeeded by a long period of good health. The bills of mortality at Breslau in Silesia show fewer deaths between 40 & 57 than between any other ~~period~~ 17 years of human life. Besides the ~~change~~ complete transition of plethora from the ~~veins~~ arteries to the veins, there are other reasons for ~~this~~ this good health. A man it is said is a fool who is not his own physician at forty - hence he is more careful in his manner of living - His ~~[illegible]~~ constitution

now winches suddenly under every species of Violence
it is offered to it, Experience has taught
what aliments are most wholsome, & he
he adheres steadily to them - He becomes
now less ~~solicit~~ solicitous about the false opinions
of the world, & hence in his dress - and in
the convenience of his house, he prefers
ease - comfort & health, to Splendor, and
false taste. But further, - At 40 years
of age, the world has generally ~~taught us~~
opened & exhausted all its stores of pleasures - hence ~~as~~
~~passions~~ the passions begin to act with less force
on the system - ~~the~~ & a man loves & hates
envies & admires, ~~as~~ with much less ardor ~~cooler blood~~
than he did in the early part of life. The
period I have mentioned between 40 & 50, I believe
is not only distinguished by uncommon
degrees of good health, but of happiness
likewise. - This secret was communicated
to me near 20 years ago but the late
Dr Phin: Bond, (a man who never spoke

spoke but from Observation or feeling) & I believe it to be true under certain circumstances. ~~I can truly say, I have lived to witness the truth of it~~ — Be not ~~afraid~~ therefore gnt.ⁿ of many at the rapidity with which time rolls you of the years of your youth. After all that has been said of its pleasures, be assured there is more solid happiness before you after you entered the period that has been mentioned, provided you employ your youth in such a manner that ~~none~~ folly or irregularity of life shall call upon you after 40. ~~for satisfaction or expiation~~ in a train of melancholy ~~to~~ reflections, ~~or~~ & diseases, for satisfaction or expiation. —

I shall not call the facts I have mentioned respecting the diseases which depend upon the changes, or determination of plethora — a digression — They belong to our present subjects & you will find them of great application in the study & practice of physic. —

+ [This is nothing new in the system. We observe the most acute fevers of all kinds, where there is most vigor in the constitution – the yellow fever ~~of the West Indies proves by accidental~~ modus, violent action ~~people, & effects~~ only in the athletic people ~~chiefly~~. The Influenza ~~was~~ is felt most severely among those healthy people who were most robust from exercise & exposure to the air, – as in the Long Shore men – & Mr. Wallis's company of Surveyors]

I return now to consider the causes of active Hemorrhagy — for this only belongs to Physicians. —

The predisposing cause of all hemorrhage is evidently debility. — This debility occurs in every part of the body, but is greatest in its external surface — hence the principal active hemorrhages are from the lungs & nose — for the membranes of the nose which is ruptured — belongs to the external surface of the body. —

This debility produces congestion & irritability, and hence arises morbid of action from stimulus in the arteries, and an effusion of blood in consequence of a rupture of a blood vessel. = p: 284 The debility in the lungs is of the same nature as it does occurs in pneumony, but it is much greater — hence the action of the vessels is much less — so much so, as not to give a temporary tone to them, & hence instead of contracting by spasm, from irritation, they effuse blood from their capity. An hemoptysis therefore may be called

(a) least alarming one – local depletion – Billy Dunlop – many others.

+ Perhaps the following is a true scale of Inflamm.n of the lungs, descending from pneumonia – — vera 2 notha – 3 Catarrh. 4 Pneumonia from 2 & 3 dula 5 ——— cruenta. ——

⊙ This effusion of blood is the first sign of the existing debility in the lungs. (a) But in a debilitated state of the lungs it is more common for serum or lymph only to be effused. ~~Where~~ This serum, or lymph is sometimes discharged by coughing as fast as it is effused, & particularly in the morning after its accumulation during the night. It is sometimes likewise absorbed by the lymphatics. When it is not discharged by coughing & expectation, nor absorbed by the lymphatics, it stagnates in the cellular substance of the lungs, where it forms one or more abscess, which when it breaks or ulcerates produces ~~for~~ one of the forms of pulmonary consumption. – Tubercles I have proved from the exp.ts of Dr. Stark are from the reflux & stagnation of the mucus of the Bronchiæ. They too are the effects of debility in the bronchial vessels. ~~Who~~ In this

pulmonicula Ementa. It is produced by the same degree of causes which produce consumption - ~~May it be the effect the cause~~ It is only an external effusion of blood, answerable to extravasion in apoplexy.. where it does not occur there is an external or internal effusion if not of red blood, certainly of serum or lymph - hence the origin of Ulcers & tubercles in the lungs, & hence the preternatural ~~to~~ excretion from the lungs where Ulcers & tubercles are wanting - the hemorrhagy from the nose is produced by debility from an excess of stretting powers occasioned by the excessive determination of blood to the brain. -

= ~~Let us next enquire into~~ the remote or exciting causes of ~~active~~ torpid hemorrhagy of ~~great quantity & frequency~~.

~~These~~ are sudden vicissitudes of heat & cold - hence it occurs chiefly in the spring & fall, also extreme heat & cold - these act chiefly on the lungs. 2 Sudden diminution of the weight of the air occasioning expansion of the blood.

natural state they produce a dry husky cough, but ~~then~~ when they ulcerate, which they often do, they produce the same hectic symptoms as abscess, or another form of pulm.y Consump.n: — This is short recapit.n of my theory of consump.n: — you ~~you~~ see how widely I differ from Dr Cullen & all his followers. I make his causes effects only of consumption. ~~When~~ The lungs are a hardy viscus. They possess in adult life but little ~~In extreme cold weather in 1790 I was called to three patients in a week with Haemoptysis.~~

irritability, and when the whole body has not been previously debilitated, they ~~resist~~ bear with ~~out~~ impunity dirt — Safety contusions — wounds — hemorrhages — dust — flour — ~~&c~~ gases and a hundred ~~injurious~~ irritants of a similar nature. ~~But~~ When the whole body is debilitated — and especially when this debility invades the blood vessels — they immediately sympathize with it — hence the weakness & slowness of the voice — the difficulty of breathing in acute fevers — & the cough — spitting &c of all chronic fevers. go to p: 290

3 Every thing that quickens the circulation such as violent exercise - lifting weights - sudden & stimulating passions determining to particular parts - as joy to the lungs - anger to the brain - or the Venr: appetite to the Testes.

4 Exercise of particular parts of the body. as coughing - bellowing - or quick respiration from the lungs - hanging down of the head, or intense study, from ye nose.

5 Cold applied to one part of the body, determining to another. Eg: cold feet, to the lungs. 6 ~~intense~~ great heat or great pressure from too much cloathing.

7 Determination to certain vessels send: habitual by habit: & Animal magnetism. -

[To illustrate still further, the proximate cause which has been given, I shall read from Dr Cullen on Acct of the Symptoms of active hemorrhage. p: 259. Vol: 2]

It is peculiar to hemorrhage to return after one bleeding from accumulation of plethora be habit.

V This should be accommodated as in other states of fever to the state of the pulse, and the condition of the system.

general remedies for the hemorrhage.

Is it a salutary discharge, ~~any dependance~~ & is any dependance to be placed on nature? It is not ~~so~~ in no diseases is nature to be trusted less than in this - Nor is it necessary even in fevers w.h affect the brain. V.S. is much better because the time of drawing the blood, & the quantity can be much better limited & ascertained.

The remedies shd be of great morbid action in ~~cases~~ hemorrhages.

1 Bleeding - ~~in~~ spite of all Dr Brown has said against it. All the Argts in favor of V.S. in inflamy. diseases apply here tho' in an inferior degree - for there is ~~no~~ as certainly excess of action in one case, as in the other, & I may add, ~~that deb~~ contrary to Dr B. that debility is as certainly the predisposing cause of inflamn as of hemorrhage. &c.

2 Cold - either ~~in~~ air ~~or in~~ water, & the efficacy of this remedy, proves the truth of

V The Atonic Hemorrhages require

1 Opium. ~~2 Alum~~ 2 Bark. 3

Alum - ~~&~~ Steel & Copper - 4

the Cold Bath. 5 Exercise. —.

The Remedies for the effusion of blood without morbid action ~~&c~~ described by Dr Otto, should be tonics - particularly Cinc.

nor bid or Inflam.y
on proximate cause – 2 3: ~~cause~~ of action.
what are
3 lenient purges. 4 Sedative medicines espe=
=cially Alum & nitre. – After ~~cause of action~~ Cessation: Patron: violent
or where it is present in a small degree
=ion is subdued medicines which overcome
or not all in the bleeding vessels
debility ~~particularly~~ either ~~a~~ by acting on
weak action
the whole system, or the ~~affected~~ bleeding part shd.
be given, – these are opium – Blisters – the
common Salt. Vs ligatures. ~~but still~~ These remedies
are proper during the existence of the hemor=
=rhage. To prevent the return of it – exercise
~~by gestation~~ & a diet which produces little
blood are proper. The exercise shd be gestation,
& the diet – milk & vegetables. We shall
now proceed to apply these remedies to parti=
=cular hemorrhages.

Hemoptysis

" Redness of the cheeks, a sense of heavyness
or pain & sometimes heat in the breast –
Dyspnea – tickling in the fauces – ~~frequent~~ cough

+ This debility is acute & chronic.
The acute not dangerous - many
people subject to it all their lives +
The chronic always tends to consump-
-tion +

~~+ The kind of~~ Paralysis - arises from
~~temporary & debility~~ - from blows falls
& c. +

with a discharge of florid frothy blood". —

1 Distinguished from hæmorrhage of the fauces called "hæmorrhoids of the lungs" by Morgagni - by no cough - but hawking only - no symptoms of pyrexia as mentioned in the definition - & by being visible. - see Vanswieten - Often distils from the nose, &c

2 From Vomiting in often accompanies it by florid & fluid color of the blood - in Vomiting is black & grumous, - moreover the latter more seldom recurs than former, & has few, or none of the symptoms of definition. —

~~The predisposing causes of this disease is evidently debility. The remote causes are the same as Consumption - & these are all of a debilitating nature. —~~

~~The lungs partake of this debility in a peculiar manner - hence it occurs~~

It is remarkable it

‡ It ~~is a~~ seldom occurs during the time of Speaking, but a day or two afterwards. This was the case with the Revd Mr Winchester who died of this disease. I knew it occur in ~~other~~ Mr One Gent^n a month after ~~to~~ speaking in public. see below ‡

V I have known it twice prove suddenly fatal. in Col: Atlee preceded by a hoarseness. & in a Mr O'Bryan in the Secretary's Office - preceded by Cough - but little blood discharged in the latter case. - ~~death probably from fear - he was an Irishman.~~ The lungs were suffocated w: the congestion of blood. —

it. ‡ Quakeresses (Brifot says) most subject to consumpt^n. Perhaps because they dont use ye lungs in singing. We were made as much to sing as to speak.

go back to p284. ⊙

lungs, & 3 by to obviate debility afterwards in the whole system. The Remedies for Hemoptysis when the pulse is full & tense the first ~~Indication is assumed by~~ Bleeding.

This shd be governed by the degree of action in the pulse & other marks of ~~plethoric~~ morbid diathesis. — ~~moderate V.S. & often rep.d but,~~ ~~here as in Consump.~~ — Dr Smith 200 ℥ V

3 By ~~means~~ to the use of cold: ~~such as~~ This ~~may be~~ light drap.s - or bed cloaths - & ~~perhaps~~ cold liquors applied to the body. Dr Wood's remedy of a wrapping himself in a sheet dipp.d in Vinegar. — Dr Ponceau's remedy of napkins dipped in cold water to Sternum. [Perhaps cold air lap proper, for while there is ~~lip~~ excess of action ~~in~~ the system - the lungs labour under debility. I am the more disposed to this opinion from the efficacy of some med.s to be ment.d hereafter]

3 Acids - Vinegar in Rose leaf tea,

+ all exciting causes should be avoided particularly
great heat - cold - reading aloud
singing - laughing - & lifting weights -
Dr Gilchrist tells us of a hot night having produced it upon 3 persons at the same time in Scotland.
I met with 3 from the severe cold of the winter of 1790 in the course of a week - singing Mrs Anne - laughing Mrs Alston - lifting weights - Dan Jones -

+ In such cases, the haemorrhage is often suddenly fatal - as in Col: Attle's case, & in many others. Died in Col: Attle after a long hoarseness from congestion of blood or matter most probably.

V when it occurs as a symptom of Consumpt.n it is not only safe, but useful - for Dr Brown says drinking brine at the Salt Works in Kentucke has cured several Consumpt.s - I know salt in meat from experience to be useful.

the cure of the 3rd ~~stage~~ state of consumption:
especially under all the circumstances formerly men-
tioned — Uniform & temperate climate —
long journeies — & liberal diet. Rev.
Dr Smith's case — Drinks porter instead of
tea every afternoon — & Capt Linn's case,
mentioned formerly. ~~where nurse not good,~~ this disease apt to recur — Prompted by VS: as 2nd Blood.
Bark proper in this stage of hæmoptysis?
yes — I have ~~too~~ used it to advantage
after previous evacuations & low diet.
I had the authority of Sir Hans Sloane for the use of this medicine
who used it first for an hæmoptysis w.
I suppose. He afterwards ~~by habit~~ & took every day
~~[illegible] prevented a return of it~~ 45 years.
He ~~died at 96~~, lived to be 96, & died
in the full enjoyment of
all his mental faculties. The difference
of opinion respecting the safety of Bark
~~have~~ has arisen only from the ~~two opposite~~ different
~~states~~ states of the ~~disorder~~ case, system in which
it has been used. In ~~the~~ ~~highly inflammatory~~ an active
~~state is improper~~ ~~(w) some proper~~
~~of mild & nervous~~ ~~Dr Pellico~~
state of the pulse, it is certainly improper.

It is remarkable that many people have lived to a great age who have been afflicted with this ~~disorder~~ case. The King of Prussia who died at 75 had it during the seven years war - Dr De Normandie formerly of Bristol now near 90 was often affected with it in early life. The Rev Mr Westley likewise - died at 86 ~~Hence Dr Fothergill~~ ~~be~~ de - In these people it is from remote causes in which ~~there was~~ in cases there is no ~~more~~ little danger than from from a bleeding from the nose. It was a local - not the effect of general debility. ~~The Vicaria of this kind~~ - that form of the disease which Dr Cullen calls Vicaria is generally ~~de~~ without much danger. It is cured by restoring the bleeding piles & menses.

The phthisica of Dr Cullen - or that form which follows ~~or~~ attends abscess or tubercles in the lungs is generally fatal.

has given ~~Epistaxis~~ five species of this disease. If the principles laid down are understood they may easily be applied to each of y^m: The 1 Plethorica – is the one we have described. The 2 Violenta – seldom requires any ~~of the~~ other remedies ~~of the I indicated~~ but rest – and low diet. I have often seen it, without ending in consump^n. & why? Because no general or predisposing debility. The 3 Phthisica may be ~~is~~ palliated by the remedies mentioned – but is seldom cured. – The 4th Calculosa – seldom cured. The 5th Vicaria – occurs chiefly in women & in persons subject to piles. Not so often fatal as the first. (a)]

[Shall conclude by ~~remarking~~ inquiring whether common belt from the manner of its operation does not promise as much benefit in that debility of the lungs which occurs in consump^n as it has afforded in ~~will be~~ Haemoptysis? I think

It is spontaneous frequently – but often bro't on by falls – blows – picking the nose – & by sudden anger. The last induced it in one case in Mr Bruce in his travels. –

I have known it twice fatal in the autumn. In both cases it appeared to be a malignant state of fever. The pulse unsubdued to the last. Siffelin's boy – & Dr Campbell's patient – the last had petechiæ.

have once tried it, but it was in a desperate case. I think it without effect merits a repetition of the experiment in more favorable cases. These should be in the beginning of the disorder, before tubercles are formed. —

Epistaxis - or bleeding at the nose.

" a pain or heaviness of the head, redness of the face with a flowing of blood from the nostrils" —

It is generally an arterial hemorrhage & occurs chiefly in young persons — but often in old people from venous plethora wth venus in their brain. — ~~I have been~~

~~the~~ The remedies are

1 Bleeding — if whole system is brought into sympathy. 3 laxative purges. — 2 Rest in a sitting or half ~~lying~~ recumb^nt posture.

4 Cold applications — to the neck, or scrotum. ice to Dolly Carp

5 Ligatures.

6 Plugs. Slow used —

To obviate the return of this disease —

✓ ~~Hemorrhagia Uterina~~ – Remedies –
as for other hemorrhages – also heat –
cold applications – flour. Blister to the
~~great blood~~ ~~ing stairs~~ ~~carriage~~ prevented
thighs. –
by occasional V.S. in pregnancy & when the
menses ~~cease~~ blood – not climbing stairs – gentle
exercise – In the atonic state – by Bark –
in port wine

+ The Hematymesis – is of the same kind.

" a sense of fulness, & oppression with sickness,
succeeded by a vomiting of black grumous blood".
This blood black from stagnation. not atra bilis.
remote causes.

1 Acrid substances 2 violent operation of a pulse –
3 concussion. Mr Doz's case – 4 ~~great debility, & no~~
~~retraction from hard~~ hard drinking 5 Obstruction of
the menses – hence more common in women
than men. 6 D.o of bleeding piles 7 D.o in liver & spleen.
Stomach & Uterus – much connected.
cure
2 cold. Mr Doz's case

1 If pulse is full or tense V.S. – But I have
also given cold water.
generally found it weak & quick. Ergo
3 ~~Cassia~~ Liq: land: – ~~Spirits~~ and ~~bark~~ all the
vegd. metallic astringents –
turpentine. ℞ Corn: Salt proper?
succeeded once in Mr Doz's case. Disease apt to
return. & often fatal.

The remedies are 1 Low diet. 2 a loose belly. 3 moderate exercise as to avoid plethora – 4 avoiding tight ligatures especially round the neck – also much stooping – intense study – & blowing the nose – 5 Blisters & issues.

Is common salt proper here? yes

These finish the hemorrhages from the of Action – the hemorrhagia Uterina – ali. mixed nature – partly Arterial & partly venous – so much connected with certain parts & laws in the female Oeconomy that it will come in better under female diseases. We shall now add a few words on the hemorrhages which arise from defect of Action, & here I shall bring in the sanguinifluxes under the order of Apocenoses. – They are as proper here as venous fluxes ~~where~~ there is too little or no heat is under the head of Lyseia.

~~Haematemesis or vomiting of~~ blood.

They are – Haemorrhois cruenta Hematuria

Hematemesis

From 1 Hard Riding 2 Calculi. 3 Liver Disease.
Cure. as other hemorrhages. also common
Salt - ~~to~~ Dr Martins condiment.
+ Sometimes from hard riding - or ~~Cantharides~~,
or putrid fever, or anastomosis of vessel of
the rectum which produces a disease upon
a repletion of the piles. — In this case ~~more~~
~~attended~~ Glysters be tried first proper. See
~~Cullen.~~ V The Piles very common in Asthma,
But they except from Itch & Leprosy which are more common
Thing Vol: 2. p. 121

Melena

Blood profused dark coloured, or mixed
Dangerous - be often fatal - Remedies
with green bile. —
the same as in Other ~~profuse~~ hemorrhages.

Hemorrhage from Bowels.

Blood red, but mixed with mucus.
ats. Vs: — Opium — Injections of
cold Water, or Vegetable Astringent

Cystorrhagia - & haemorrhagia e vulneribus.

Bleeding piles.

1 Lead. 2 tonic and astring. 2 glysters made of Sp. Turpentine & in bleeding piles cold glysters - 3 Bark. 4 ~~Sweats~~ - Cordial ~~tonics~~ diet & drinks, esp.y port wine, & 5 exercise!

~~Hem~~ Bloody Urine - from the kidneys & bladders - occurs from calculi. ~~is generally preceded, or accomp.d with debility.~~

Cure Liq. Cactus - & remedies for calculi. also common salt - Dr Martin's fact.

Haemorrhagy from wounds.

1 Cold - Benefits of it after a battle - in the wounded deer fly to a spring of cold Slayer's case. 2 Dry applications of lint - rags wetted to stop blood. or flour. Liquids to be avoided. 3 Compression. often succeeds in large vessels. used for three days in Dr Dill's case. The worst kind from drawing a tooth - a cook used the w. sheets by Dr Griffitts of New Jersey. The history of Dr Dill & two other families.

From the Uterus

In pregnancy V.S. 1 or 2 repd every 2 or 3 weeks. Laudanum. flour - supine position for several days. Avoiding exciting causes - as climbing stairs. high carriage steps - dancing - foot stoves - and venereal connections

Hemorrhage from the Skin.

Occurs in Malignant fevers - is induced great agony of mind. It is said there grows a root at the Natchez which is so powerful a stimulus as to induce it.

The Gout

I have chosen to bring in the Gout in this place inasmuch as it is an intermediate disease between febrile & nervous affections, as will fully appear in the history of its causes, symptoms & Cure. I define it

"a disease affecting the joints, especially of the extremities of the lower limbs — preceded by an sickness, or flatulency of the stomach, — frequently hereditary — attended with fever, returning at different intervals, & alternating with affections of other parts of the body. —

For its history see Dr Cullen. Vol: 2. p 59

Dr Cullen has divided it into four species viz: Regularis — Atonica — retrograda — & Erratica. I see no necessity for this — I

think two species may ~~to~~ include the whole. viz: the inflam.d or tonic gout, ~~&~~ the asthenic or atonic gout, or the gout w.h excess & defect of action

The inflam.d gout is seated ~~mostly~~ chiefly in the limbs - is accompanied with great pain - fever, ~~&c~~ hard pulse, & swelling of the part affected. It sometimes affects the lungs & brain - ~~&c &c~~

The asthenic gout is ~~not fixed~~ extends with little pain, ~~&c &c~~ & of short duration to the limbs, but affects occasionally every part of the body. - It is accomp.d with ~~disease~~ little or no fever & other marks of debility. -

The predisposing cause of both species of this disease is evidently debility. This will more fully hereafter from the history of its causes. —

Its proximate cause is excess or defect of action, or a mixture of both. ~~This cause~~

Here Gent: ~~I now~~ you see I carry with me my first idea of general diseases. - Their causes are nearly all similar,

+ system primarily & chiefly, while the Gout affects both the arterial, & the nervous systems. The inflam.: Gout chiefly affects the former, — the asthenic Gout appears chiefly in the nervous system. The resemblance of these diseases appears in the one affecting the Officers, & the other the Soldiers of an army. These two diseases are generally the tax imposed upon the honors acquired by war. Soldiers are generally affected with Rheumatism, while Officers from being exposed to the more stimulating causes pass the evening in their lifes in repeated fits of the Gout. Rheumatism & Gout alike produce chalky effusions — stiff — deformed — & dislocated joints. — The Gout

& their appearances or symptoms vary only with the difference of constitution on which they operate. —

A Rheumatism is nothing but a Gout upon a vigorous Constitution, debilitated by fatigue & cold only, & a Gout is nothing but a Rheumatism upon a constitution debilitated by ~~fatigues~~ - cold - intemperance - ~~&~~ indolence - & ~~stimulating~~ indirectly passions of the mind. — From the greater debility which predisposes to it - it affects the internal ~~body~~, while the Rheumatism affects only the external parts of the body. — The Rheumatism affects the arterial

I shall have occasion to repeat the application of this principle the further we proceed in treating of general diseases. —

The Gout affects men of a choleric sanguine temperament, - seldom before 35 Unless they are predisposed to it by hereditary diathesis. In this case it comes at 16. 18, & I once heard of it in a child of 9 years of age. — It affects

affects different systems primarily, or in a secondary manner, according to the temperament of the patient. — In the sanguine it appears first in the Arteries, in the nervous, in the brain & nervous system, and in the bilious in the liver & bowels, & in the phlegmatic in dropsy. — The Gout changes its mode & place of attack with the varying state of these systems in different periods of life — seasons & countries. —

men of ~~active minds~~ genius, more than weak men. The reason of this is obvious. Genius is not only connected with sensibility of body, but ~~with~~ generally with strong passions, and an active Understanding both of which add ~~to the~~ by their stimuli to the other stimulating causes which produce it. ~~The Gout~~ is ~~also~~ Dr Sydenham mentions ~~it~~ as a consoling circumstance ~~that~~ under his frequent & painful attacks of this disease that it was peculiar to philosophers, & great men & that fools were strangers to it. To this remark I have known some exceptions, ~~but it was~~ I have known weak men afflicted with the Gout – but these men were descended from ~~a~~ sensible ancestors who had transmitted a gouty diathesis to them. It seldom affects women, except they are descended from gouty parents.

There are several circumstances wh. respect to its descent wh. deserve to be mentioned. It sometimes passes by children of the first,

& affects children of the second generation. Dr. Blackmore on this account compares it to a river in Africa which ~~disap~~ rises in one kingdom, disappears under ground in a second, & rises in a third. —

It sometimes affects only ~~one~~ part of the child: a of a family, - & particularly those which are born after the appearance of the Gout in a ~~family~~ father.

It sometimes affects a whole family. A Mr. Ralph - a young man of 21 the son of an English gentleman who was afflicted with the Gout, came to this city about 70 years ago, and married a young woman by whom he had one ~~child~~ - a daughter. His wife dying 3 weeks after the birth of this child, he returned to England, where he married a 2d wife by whom he had six children - all of whom died of the gout, & all except one before they arrived at the usual age of matrimony in England. One of them died at 19 - the

in study or business – &
† of the Understanding, ~~or~~ of the passions in
~~study or business~~ pleasure – except in weary Night
watching. – The use of wine & spirituous liquors
seems to be most essential to the production of the
~~Hereditary cause are~~ Gout – hence it is
unknown in China & Turkey, where custom
or religion forbid the use of wine & spirits. –

† Dr Brown says he could at any time bring a
fitt of the Gout on himself by a dose of
Salts. – & was Relieved by Acids. –

Other at 16 years of his age. The father & grand father both followed them with the same disease. The child whom he left in this city passed his life subject to frequent & severe fitts of the gout, & finally died with it in 1787 in my care about years age in the 67th or 68th year of her age. — She had left several grown children behind her - One of whom a daughter has had several violent attacks of asthmic gout. —

The remote ~~or occasional~~ causes of the Gout are such things as induce direct or indirect ~~are properly divided by Dr Cullen into two kinds.~~ debility. ~~& that w. induce plethora & those which produce debility in plethoric habits.~~ — They

~~Those~~ are intemperance in eating animal food - ~~or~~ a sedentary life - & the habitual use of fermented liquors - ~~the~~ the violent & constant exercise of strong

The ~~the exciting causes are~~ exciting causes are - intoxication - indigestion - ~~internal application to feet~~ or ~~violent & irritating passions~~ - ~~or~~ such as purging & the business - excessive evacuations - VS. often brings it

+ Claret - punch - & Cyder often bring it on in one night. -

+ This the case in gen^l Devil. -

or in a swelling of the lower limbs called the drunk gout.

* It affects the kidneys in a peculiar manner - often producing Gravel, & Ischuria. Perhaps a disposition to the Gout fixing here may be produced by the patients lying so long upon his back. -

It alternates with intermit^t fevers in Lord Penrose. It mixes with other fevers - see Dr Stoll & Vienna, - is latent in some cases. - It goes on the leg in Mr Izard - and on the thigh in myself. - & Bubo in ——. It produces Rheum Arthritica in head & breast & stomach. - also true Arthritic fever - as in Mrs Provost.

on when used unfavorably in other diseases, also ~~pages~~ – night watching – the ceasing of usual exertion on labor of mind or body – fatigue – Sudden change from full to a low diet – acid diet, or drinks – the ~~bad~~ application of cold to the body – & especially to the extremities – a sprain or wound of the ankle, or lower limbs – & lastly a sudden fright – &c

The ~~Gout~~ inflam.ⁿ: gout is seated chiefly in the joints, but there are cases of its occurring in the lungs producing pneumonia notha – in the throat – ~~the throat~~ covered with slough in bladder kidneys & perhaps the brain. It is certain in the apoplexy from the gout there is often great excess of action so as make V.S: necessary. Take Notice ye in all the cases of inflam.ⁿ: gout the excess of action is generally moderate – It seldom rises beyond typhoid inflam.ⁿ: –

(vide Benger)

The asthenic gout appears in every part of the body. It sometimes appears in shooting pains in the great toe – ankles & knees. – It affects the ~~stomach~~ stomach with nausea – dyspepsia – flatulency

+ This Species of Dyarrhoea is very common in Virginia. Genl Harrison & many other principal people have died with it. Continues for several years.

* It affects the liver with Obstruction — & the gall bladder with a preternatural Secretion, and excretion of bile — hence the Origin of bilious ~~Dis~~ complaints as a Chronic disease. —

+ Mr Mitchell's eyes were so much affected in the Gout as that he could not endure the light of a fire in his room in the extreme cold weather of Feby 1789.

+ It affects the glands of the Urethra producing there a true gonorrhea benigna. A case of this kind was communicated to Dr Jones, by the late Mr Pott — of London. I have seen one of the same kind in Mr^s _____ in Market Street. A case of it in Lit^y Physical charge. — It produced Priapism & Chordee in Mr Mc Iver also in Alex^r Allaise who has had gout 35 years.

- Vomiting - & Spasm called Gastrodynia. —

It affects the bowels with Colic, & Diarrhoea. most of the obstinate Diarrhoeas we meet with in persons who have had or who have merited the Gout, are I believe of Symptoms of Asthenic Gout! — ~~Thus~~ It affects the lungs, producing ~~pneu~~ Asthma — pneumony rottia — & various species of Dyspnoea —

It affects the ~~bow~~ throat with Angina, & the salivary glands with a discharge of Saliva. headach delirium, It affects the Brain with Vertigo — palsy — and — it produced salivation in maj^r Butler — Apoplexy. — It affects the orbit of the eye with constant pain — sometimes producing effusion of red blood in the eyes — & even total blindness.

It affects the external muscles of the head — neck — back & breast. for the last it produces Angina pectoris. See Dr McQueen Med: Journal. I have once known it affect the breasts of a lady with swelling & hardness every fall, at the time in which in former years she had been afflicted with the Gout in her Stomach & gall bladder. — It sometimes produces Scrophula. Gol: Spaight. It affects the ~~kidneys~~ neck of the bladder producing Catarrhus vesicae, or Spasm. — ∓

+ The effusions which take place in consequence of pain in particular parts, stagnate from a defect in the Absorbents, & produce in the joints of the toes - ankles - knuckles - wrists - & elbows certain chalky concretions - These sometimes concretions lacerate & protrude thro' the Skin, & often furnish a patient with the means of numbering on an adjoining wall the days, or years of his confinement & misery. They occur also in the lungs. -

Sometimes the disease affects the ligaments & tendons, as well as muscles of the joints twisting them in such a manner, as to alter the shape of the feet legs - fingers - & hands - and thereby to produce deformity - & lameness. produce dislocation.

It belongs to the history of the Gout to add, that under all the circumstances of pain - confinement - & deformity that have been mentioned, Gouty patients enjoy cheerfulness of temper - acuteness of all the intellectual powers - & an exquisite relish for all the pleasures of Sense ~~of~~ & Society. —

It affects the rectum producing the piles. –

It affects even the external cartilaginous parts of the body – particularly the ears. +

In a word – its part – or rather no muscle, or fibre is exempted from its attacks. It counterfits all other chronic diseases, & is often mistaken for them. nor is this all, it sometimes lays aside its usual nature, and terminates in the stone, dropsy – melancholly – and madness in persons who are predisposed to them.

I would remark here as in the Consumption, that the two species of the gout viz: the phlogistic & asthenic do not ~~steadily~~ succeed each other in the order of their violence. On the contrary, I have often known the asthenic in early life without being preceded, or succeeded by the phlogistic. we often moreover see phlogistic in the advanced stages of life. The same ~~general~~ constitution will often at differ: